

State of California  
AIR RESOURCES BOARD

Executive Order G-70-102

Certification of a Stage 1 Vapor Recovery System for Horizontal,  
Cylindrical, Aboveground Gasoline Storage Tanks Less Than  
40,000 Gallons Capacity

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions displaced during the filling of storage tanks at service stations ("Stage I vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Administrative Code;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, test procedures for determining compliance of Stage I vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Services Stations" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code;

NOW THEREFORE, IT IS HEREBY ORDERED that this certification applies to aboveground horizontal cylindrical gasoline storage tanks less than 40,000 gallons capacity. The system certified hereby is shown in Exhibit 1 attached. Air Resources Board certified components from Exhibits 1 thru 3 of Executive Order G-70-97-A are to be used.

IT IS FURTHER ORDERED that compliance with the rules and regulations of the local air pollution control district where the installed system is located, shall be made a condition of this certification.

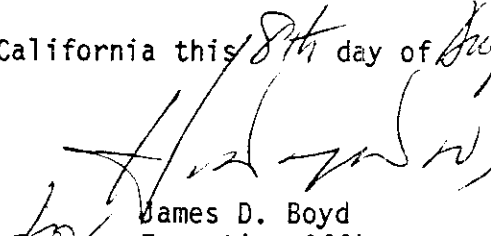
IT IS HEREBY ORDERED that the use of a PV valve shall require the prior approval of the local fire chief, and that the tanks and piping shall comply with the appropriate General Industry Safety Orders and in particular the provisions of articles 144, 145, and 146 thereof.

IT IS FURTHER ORDERED that compliance with the applicable certification requirements and rules and regulations of the Division of Measurement Standards, the State Fire Marshal's Office, and the Division of Industrial Safety is made a condition of this certification.

IT IS FURTHER ORDERED that the system certified hereby shall in actual use return to the delivery tanks a minimum of 95 percent by weight of the gasoline vapors displaced from the aboveground horizontal cylindrical storage tank. Compliance with this criterion shall be a condition of this certification; and if not met, shall constitute grounds for revocation, suspension, or modification of this certification;

IT IS FURTHER ORDERED that any alteration in the equipment parts, design, or operation of the system certified hereby is prohibited and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned.

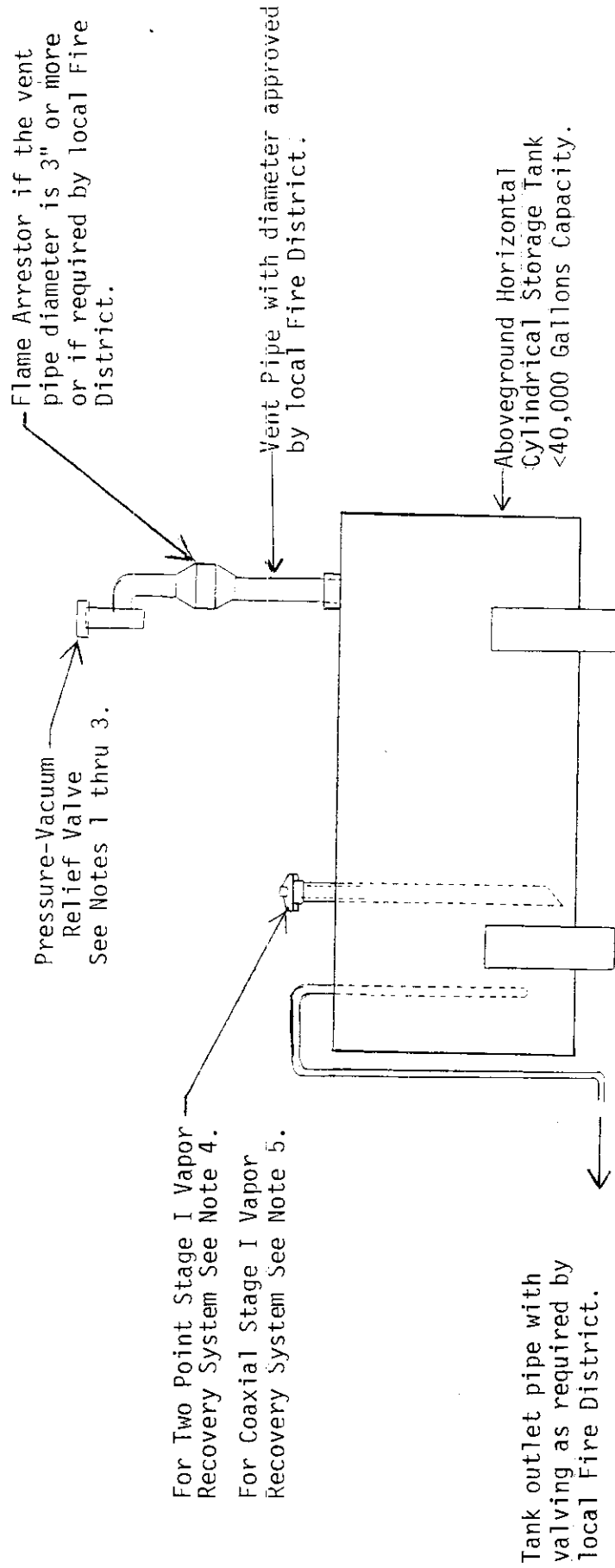
Executed at Sacramento, California this *8th* day of *August* 1985.

*for*   
James D. Boyd  
Executive Officer

Attachment

# EXHIBIT 1

Executive Order G-70-102



ELEVATION VIEW

## NOTES:

1. Existing aboveground gasoline storage Containers subject to certification shall be equipped with a pressure-vacuum (PV) relief valve with a minimum pressure relief setting of 90 percent of the container's design working pressure rate or + 8 ounces per square inch (gauge), whichever is less. The vacuum setting shall be the same as for new containers.
2. New above ground gasoline storage containers shall be designed to be compatible with a PV relief valve with a minimum pressure setting of +8 ounces per square inch (gauge) and a vacuum setting of - 1 ounce per square inch (gauge).
3. All PV valves must be Air Resources Board certified with installation and Underwriters Laboratories listed and approved by the local Fire District Chief.
4. For a listing of Air Resources Board certified Stage I Two-Point vapor recovery equipment and PV valves for storage tanks see Executive Order G-70-97-A (Exhibits 1 & 3).
5. For a listing of Air Resources Board certified coaxial Stage I vapor recovery equipment for storage tanks see Executive Order G-70-97-A (Exhibits 2 & 3).